CONTROL

CORRES. CONTROL OF INCOMING LTR NO. 00087 RFQ3 **DUE DATE** ACTION

2003 FEB -5 P 2: 34 Department of Energy

ROCKY FLATS FIELD OFFICE CORRESPONDENCE 10808 HIGHWAY 93, UNIT A GOLDEN, COLORADO 80403-8200

FEB 0 5 2003

03-DOE-00102

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DIST.	LTF	EN
BERARDINI, J. H.	文	+
BOGNAR, E. S.	×	
CROCKETT, G. A. DECK, C. A.		
DECK, C. A.	بحرا	
DEGENHART, K. R.	Ι	╀—
DIETER, T. J.		-
DIETERLE, S. E. FERRERA, D. W.	+	┼
FERRI, M. S.	 ^	
GERMAIN, A. L.	+-	
_GIACOMINI, J. J.		
ISOM, J. H. LINDSAY, D. C.		
LINOSAY, D. C.	X	
LONG. J. W.	-	
LYLE, J. L. MARTINEZ, L. A.	 -	-
NAGEL R. E.	₩	
NORTH, K.		
PARKER, A. M.	又	
POWERS, K. P.		
RODGERS, A. D.	<u> </u>	
SHELTON, D. C.	×	ļ
SPEARS, M. S.	-	
TRICE, K. D. TUOR, N. R.	X	
WILLIAMS, J. L.	×	
FREIBETH,C.	X	
PARSONS, b.	×	
NESTA S.	X	
BROOKS L.	<u>.</u>	
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Mr. Steven H. Gunderson Rocky Flats Cleanup Agreement Project Coordinator Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, Colorado 80246-1530

Dear Mr. Gunderson:

This letter documents the results of the follow-up investigation to find beryllium in samples taken in Building 449A and the post-decontamination beryllium samples taken in Building 453. This information is provided in response to the James Hindman request.

Eleven additional beryllium samples were collected on the overhead structures inside Building 449A, all samples results were less than the Pre-Demolition Survey Plan (PDSP) unrestricted release criteria (0.2 ug/100cm²) as well as less than the PDSP investigation criteria (0.1 ug/100cm²). Refer to the enclosed Building 449A sample results table and sample map for the results of the additional samples.

Elevated beryllium was identified in the Reconnaissance Level Characterization Report (RLCR) inside Building 453 on the rollup door and the west wall. These areas were decontaminated and post-decontamination samples were obtained, the sample results showed 5 of 20 locations with activity between 0.1 - 0.2 ug/100cm², but no activity above 0.2 ug/100cm². The area was again decontaminated and post-decontamination samples were obtained, the sample results showed 2 of 15 locations with activity between 0.1 - 0.2 ug/100cm², and one sample above 0.2 ug/100cm² (0.25 ug/100cm²). The area was decontaminated a third time and post-decontamination samples were obtained, all 15 sample results were less than 0.1 ug/100cm².

OR CONTROL

Ref. Ltr. #

The decon methods used in Building 453 are described below:

Reviewed for Addressee Corres, Control RFP

First Decon

The first decon method involved the following:

- Mopping and wet wiping the floor.
- Wet wiping north rollup door lip.
- Decon personnel worked under an approved Beryllium Work Form and craft work package.
- Appropriate Personal Protective Equipment (PPE) and air monitoring was performed during the decon work.

DOE ORDER # NONE

DOCUMENT CLASSIFICATION REVIEW WAIVER PER ASSIFICATION OFFICE

B444-A-000038

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Second Decon

The second decon method involved the following:

- Vacuuming loose debris from floor.
- Wet wiped contaminated areas with mariko and kimwipes. These areas were wiped 2-3 times.
- Wet mopped the remaining floor area within the building with a new mop.
- Wet wiped the north rollup door lip.
- Decon personnel worked under an approved Beryllium Work Form and craft work package
- Appropriate PPE and air monitoring was performed during the decon work

Third Decon

The third decon method involved the following:

- Wet wiped floor with mariko and kimwipes. The floor was wiped 3 times.
- Vacuumed and wet wiped overhead surfaces with mariko and kimwipes. These surfaces were wiped 2 times.
- Decon personnel worked under an approved Beryllium Work Form and craft work package.
- Appropriate PPE and air monitoring was performed during the decon work.

Based on the third post-decon smear results, Building 453 is now below PDSP unrestricted release criteria for beryllium, as well as all other contaminants of concern as documented in the Building 453 RLCR. Refer to the enclosed Building 453 sample results table and sample maps for the post-decontamination beryllium sample results. Since Buildings 449A and 453 meet all PDSP Data Quality Objectives and unrestricted release criteria for all contaminants of concern, these buildings are ready for demolition or sale.

Sincerely,

Richard J. DiSalvo

Acting Assistant Manager

for Environment and Stewardship

Enclosure

cc w/o Encl:

S. Tower, AMP, RFFO

C. Freiboth, K-H RISS

D. Parsons, K-H RISS

S. Nesta, K-H RISS

T. Rehder, USEPA

cc w/Encl:

Administrative Record

2/2

Additional B449A and B453 Beryllium Data Summary Results

Battleform Attic – On rafter above entrance hatch B449A Main Room Attic – On rafter above entrance hatch B449A Main Room Attic – on electrical box in overhead B449A Main Room Attic – on light cover B449A Main Room Attic – on lectrical box in overhead B449A Main Room Attic – on lectrical box in overhead B449A Main Room Attic – on lectrical box in overhead B449A Main Room Attic – on electrical box in overhead B449A Main Room Attic – on electrical box in overhead B149A Main Room Attic – on electrical box in overhead B149A Main Room Attic – on electrical box in overhead B149A Main Room Attic – on electrical box in overhead B149A Main Room Attic – on Electrical box in overhead B149A Main Room Attic – on Electrical box (#1 north) B453 – NW floor B453 – NW floor B453 – NB floor B453 – NB Electrical box (#1 north) B453 – on SE electrical box B453 – on SE electrical bo				2
001 B449A Main Room Attic - On nafter above entrance hatch 002 B449A Main Room Attic - on lactical box in overhead 003 B449A Main Room Attic - on lactical box in overhead 004 B449A Main Room Attic - on lactical box in overhead 005 B449A Main Room Attic - on lactical and the 006 B449A Main Room Attic - on light cover 007 B449A Main Room Attic - on lactical and the 010 B449A Main Room Attic - on lactical and the 011 B449A Main Room Attic - on lactical and the 012 Blank 013 Blank 013 Blank 014 B443 - NW floor 016 B443 - NW floor 017 B443 - SW floor 018 B443 - NW floor 019 B443 - NW floor 010 B443 - NW floor 011 B443 - NW floor 012 Blank 013 B443 - NW floor 014 B443 - RW floor 015 B443 - NW floor 016 B443 - NW floor 017 B443 - RW floor 018 B443 - NW floor 019 B443 - NW floor 010 B443 - RW floor 010 B4		and terminal bade controller a badrook traba	Bullding 449A	(ug/100 cm)
002 B449A Main Room Attic – on electrical box in overhead	449A-01082003-603-001	901	B449A Main Room Attic - On rafter above entrance hatch	< 0.1
0.03 B449A Main Room Attic - on angled rafter	449A-01082003-603-002	005	B449A Main Room Attic - on electrical box in overhead	× 0.1
0.04 B449A Main Room Attic - on horizontal rafter	449A-01082003-603-003	003	B449A Main Room Attic - on angled rafter	<0.1
0.05 B449A Main Room Attic - on light cover	449A-01082003-603-004	8	B449A Main Room Attic on horizontal rafter	102
006 B449A Main Room Attic - on light cover	449A-01082003-603-005	2005	B449A Main Room Attic - on light cover	10>
007 B449A Main Room Attic - On angled rafter 008 B449A Main Room Attic - On britzontal rafter 010 B449A Main Room Attic - On britzontal rafter 011 B449A Main Room Attic - On britzontal rafter 012 Blank 013 Blank 104 B443 - Will Room Attic - On electrical box in overhead 299 Blank 300 Blank 301 B453 - SW floor 302 B453 - SW floor 303 B453 - Will floor 304 B453 - Will floor 305 B453 - Will floor 306 B453 - Will floor 307 B453 - Will floor 308 B453 - Will floor 309 B453 - Will floor 310 B453 - Will floor 311 B453 - Will floor 312 B453 - On SE electrical box (#2 middle) 313 B453 - On floor Electrical box (#2 middle) 314 B453 - On floor Electrical box (#2 middle) 315 B453 - On floor Electrical box (#2 middle) 316 B453 - On floor	449A-01082003-603-006	900	B449A Main Room Attic - on light cover	< 0.1
0.08 B449A Main Room Attic - on horizontal rafter	449A-01082003-603-007	200	B449A Main Room Attic - on angled rafter	< 0.1
0.09 B449A Main Room Attic - on light cover 010 B449A Main Room Attic - on light cover 011 B449A Main Room Attic - on electrical box in overtead 012 Blank B453 Post-Decontamination #1 B453 - SW floor B453 - SW floor B453 - SW floor B453 - NW floor B453 - N	449A-01082003-603-008	800	B449A Main Room Attic - on horizontal rafter	201
010 B449A Main Room Attic - on horizontal rafter	449A-01082003-603-009	600	B449A Main Room Attic on light cover	201
011 B449A Main Room Attic - on electrical box in overhead	449A-01082003-603-010	010	B449A Main Room Attic - on horizontal rafter	501
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304 B453 – NW floor 305 B453 – NE floor 307 B453 – SE floor 308 B453 – ON E electrical box (#1 north) 309 B453 – on SE electrical box (#2 middle) 310 B453 – on lip of South garge door 311 B453 – on lip of North garge door 312 B453 – on lip of North garge door 313 B453 – on floor East door 314 B453 – on floor East door 315 B453 – on Sgarage door and ribs 316 B453 – on N garage door and ribs 317 B453 – on N garage door and ribs 318 B453 – on Se electrical box 319 B453 – on Se electrical box 319 B453 – middle N floor 319 B453 – middle S floor 320 B453 – floor date of previous Be contamination #2 221 B453 - Stoor on motor/electrical box	453-11132002-213-303	303	B453 - NW floor	101
305 B453 – NE floor 306 B453 – NE floor 307 B453 – SE floor 308 B453 – on SE electrical box (#1 north) 310 B453 – on SE electrical box (#2 middle) 311 B453 – on ip of South garage door 312 B453 – on lip of North garage door 313 B453 – on floor East door 314 B453 – on floor East wall 315 B453 – on Sgarage door and ribs 316 B453 – on N garage door and ribs 317 B453 – on SE electrical box 318 B453 – on SE electrical box 319 B453 – on SE electrical box 310 B453 – on SE electrical box 310 B453 – middle N floor 310 B453 – middle S floor 320 B453 – B454 – floor area of previous Be contamination 291 B453 - S door on motor/electrical box	453-11132002-213-304	304	B453 - NW floor	0.12
306 B453 – NE floor 307 B453 – SE floor 308 B453 – SE floor 309 B453 – on SE electrical box (#2 middle) 310 B453 – on ip of South garage door 311 B453 – on lip of North garage door 312 B453 – on floor East door 313 B453 – on floor East door 314 B453 – on floor East wall 315 B453 – on Sgarage door and ribs 316 B453 – on N garage door and ribs 317 B453 – on SE electrical box 318 B453 – on Se electrical box 319 B453 – middle N floor 320 B453 – middle N floor 320 B453 – Base electrical box 320 B453 – Base electrical box 291 B453 - Base electrical box 291 B453 - Stoorteamination #2	453-11132002-213-305	305	B453 - NE floor	21.0
307 B453 - SE floor 308 B453 - SE floor 309 B453 - on SE electrical box (#2 middle) 310 B453 - on ib of South garage door 311 B453 - on lip of South garage door 312 B453 - on lip of North garage door 313 B453 - on floor Bast door 314 B453 - on floor Bast wall 315 B453 - on Sgarage door and ribs 316 B453 - on N garage door and ribs 317 B453 - on SE electrical box 318 B453 - on SE electrical box 319 B453 - middle N floor 320 B453 - middle N floor 320 B453 - floor area of previous Be contamination 291 B453 - S door on motor/electrical box	453-11132002-213-306	306	B453 - NE floor	102
308 B453 - SE floor 309 B453 - on SE electrical box (#1 north) 310 B453 - on SE electrical box (#2 middle) 311 B453 - on lip of North garage door 312 B453 - on lip of North garage door 313 B453 - on floor Bast door 314 B453 - on floor Bast door 315 B453 - on Sarage door and ribs 316 B453 - on Sarage door and ribs 317 B453 - on Se electrical box 318 B453 - middle S floor 319 B453 - middle S floor 320 B453 - middle S floor B453 - floor area of previous Be contamination AB43 - middle S floor B453 - B453 - floor area of previous Be contamination B453 - B454 - B4	453-11132002-213-307	307	B453 - SE floor	100
309 B453 - on SE electrical box (#2 middle) 310 B453 - on SE electrical box (#2 middle) 311 B453 - on lip of South garage door 312 B453 - on lip of North garage door 313 B453 - on floor Bast door 314 B453 - on floor Bast wall 315 B453 - on S garage door and ribs 316 B453 - on N garage door and ribs 317 B453 - on SE electrical box 318 B453 - middle N floor 319 B453 - middle S floor 320 B453 - floor area of previous Be contamination 291 B453 - S door on motor/electrical box	453-11132002-213-308	308	B453 - SE floor	<0.1
310 B453 - on SE electrical box (#2 middle) 8453 - on lip of South garage door 312 B453 - on lip of North garage door 313 B453 - on floor East door 314 B453 - on floor East wall 8453 - on S garage door and ribs 315 B453 - on S garage door and ribs 316 B453 - on S garage door and ribs 317 B453 - on S garage door and ribs 318 B453 - on S garage door and ribs 319 B453 - middle S floor 230 B453 - middle S floor 230 B453 - floor area of previous Be contamination 230 B453 - floor area of previous Be contamination 231 B453 - S door on motor/electrical box 231 232 233 234 234 234 235	453-11132002-213-309	309	B453 on SE electrical box (#1 north)	< 0.1
311 B453 - on lip of South garage door 312 B453 - on lip of North garage door 313 B453 - on lip of North garage door 314 B453 - on floor East wall 2315 B453 - on S garage door and ribs 2317 B453 - on S garage door and ribs 2318 B453 - on S garage door and ribs 2319 B453 - middle N floor 2319 B453 - middle N floor 2320 B453 - middle S floor 2320 B453 - floor area of previous Be contamination 2320 B453 - floor area of previous Be contamination 2321 B453 - S door on motor/electrical box 2322 B453 - S door on motor/electrical box 2323 233 2345 - S door on motor/electrical box 2324 2325 232	453-11132002-213-310	310	B453 on SE electrical box (#2 middle)	< 0.1
312 B453 - on lip of North garage door 313 B453 - on floor East door 314 B453 - on floor East wall 2314 B453 - on S garage door and ribs 2317 B453 - on S garage door and ribs 2318 B453 - on S garage door and ribs 2319 B453 - middle S floor 2319 B453 - middle S floor 2319 B453 - middle S floor 2319 B453 - floor area of previous Be contamination 2310 B453 - floor area of previous Be contamination 2310 B453 - S door on motor/electrical box 2310 B453 - S door on motor/electrical box 2310 2	453-11132002-213-311	311	B453 on lip of South garage door	< 0.1
313 B453 – on floor East door 314 B453 – fire extinguisher on East wall 315 B453 – on S garage door and ribs 316 B453 – on N garage door and ribs 317 B453 – on SE electrical box 318 B453 – middle N floor 320 B453 – middle S floor B453 – floor area of previous Be contamination B453 – floor on motor/electrical box	453-11132002-213-312	312	B453 – on lip of North garage door	0.12
314 B453 – fire extinguisher on East wall 315 B453 – on S garage door and ribs 316 B453 – on N garage door and ribs 317 B453 – on SE electrical box 318 B453 – middle N floor 319 B453 – middle S floor 320 B453 – floor area of previous Be contamination B453 Post-Decontamination #2 291 B453- S door on motorelectrical box	453-11132002-213-313	313	B453 - on floor East door	< 0.1
315 B453 - on S garage door and ribs 316 B453 - on N garage door and ribs 317 B453 - on SE electrical box 318 B453 - middle N floor 319 B453 - middle S floor 320 B453 - floor area of previous Be contamination 291 B453 - S door on motor/electrical box	453-11132002-213-314	314	B453 - fire extinguisher on East wall	< 0.1
316 B453 - on N garage door and ribs 317 B453 - on SE electrical box 318 B453 - middle N floor 319 B453 - middle S floor 320 B453 - floor area of previous Be contamination 291 B453 - S door on motor/electrical box	453-11132002-213-315	315	B453 - on S garage door and ribs	< 0.1
317 B453 – on SE electrical box 318 B453 – middle N floor 319 B453 – middle S floor 320 B453 – floor area of previous Be contamination B453 Post-Decontamination #2 291 B453 - S door on motor/electrical box	453-11132002-213-316	316	B453 - on N garage door and ribs	<0.1
318 B453 - middle N floor 319 B453 - middle S floor 320 B453 - floor area of previous Be contamination B453 Post-Decontamination #2 291 B453 - S door on motor/electrical box	453-11132002-213-317	317	B453 on SE electrical box	< 0.1
319 B453 – middle S floor 320 B453 – floor area of previous Be contamination B453 Post-Decontamination #2 291 B453- S door on motor/electrical box	453-11132002-213-318	318	B453 – middle N floor	< 0.1
320 B453 – floor area of previous Be contamination B453 Post-Decontamination #2 291 B453- S door on motor/electrical box	453-11132002-213-319	319	B453 – middle S floor	< 0.1
B453 Post-Decontamination #2 291 B453- S door on motor/electrical box	453-11132002-213-320	320	B453 - floor area of previous Be contamination	< 0.1
291 B453- S door on motor/electrical box			B453 Post-Decontamination #2	
	453-11212002-213-291	291	B453- S door on motor/electrical box	10>

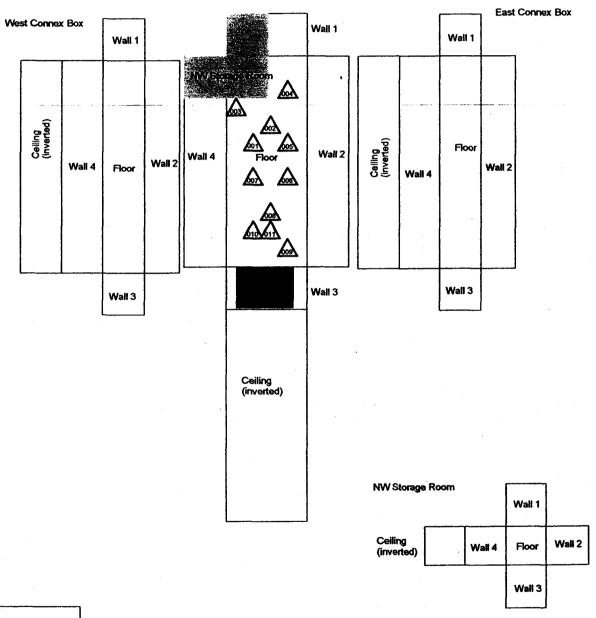
Result	(ug/100 cm ²)	< 0.1	< 0.1	0.14	< 0.1	< 0.1	0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.25	< 0.1	< 0.1	< 0.1		< 0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Sample Location		B453 - S door on motor/electrical box	B453 - S door on top of rollup, west side	B453 - S door on top of rollup, east side	B453 - inside of ceiling mounted heater	B453 - N door on motorfelectrical box	B453 - N door on motor/electrical box	B453 - S door on top of rollup, east side	B453 - S door on top of rollup, west side	B453 SW floor	B453 - W floor	B453 - NW center floor	B453 - N door, bottom lip	B453 - NE floor, near door way	B453 - NW floor, comer	Blank	Blank	B453 Post-Decontamination #3	B453 - NB floor, by door way	B453 - NE floor, by door way	B453 - NE floor, by door way	B453 NE floor, by door way	B453 - NE floor, by door way	B453 - NE floor, by door way	B453 - N end, on overhead motor/electrical box	B453 - N end, on overhead motor/electrical box	B453 - N floor, underneath decon motor	B453 - N floor, underneath decon motor	B453 - SW rollup door, top					
1 ~	Point Location	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307		101	102	103	194	105	106	101	108	601	110	111	112	113	114	115	116
Sample Number		453-11212002-213-292	453-11212002-213-293	453-11212002-213-294	453-11212002-213-295	453-11212002-213-296	453-11212002-213-297	453-11212002-213-298	453-11212002-213-299	453-11212002-213-300	453-11212002-213-301	453-11212002-213-302	453-11212002-213-303	453-11212002-213-304	453-11212002-213-305	453-11212002-213-306	453-11212002-213-307		453-12172002-603-101	453-12172002-603-102	453-12172002-603-103	453-12172002-603-104	453-12172002-603-105	453-12172002-603-106	453-12172002-603-107	453-12172002-603-108	453-12172002-603-109	453-12172002-603-110	453-12172002-603-111	453-12172002-603-112	453-12172002-603-113	453-12172002-603-114	453-12172002-603-115	453-12172002-603-116

ADDITIONAL OVERHEAD BERYLLIUM SAMPLES

Building: 449A Interior

PAGE 1 OF 2

449A Interior



Sample Numbers 449A-01082002-603-001 thru 011

	SURVEY MAP LEGEND	Neither the United States Government nor Kaiser Hill Co., nor DynCorp ldET, nor any agency thereof, nor any of their employees, makes any warranty, copress or implied,	N	0 FEET 25	U.S. Department of Energy Rocky Flats Environmental Technology Site
	Ashestos Sample Location Beryllium Sample Location Lead Sample Location	or assumes my legal liability or responsibility for the accuracy, completeness, or usefulness of any information, appearants, product, or process disclosed, or represents that its use would not infringe privately owned rights.	Û	0 METERS 8	Prepared by: GIS Dept. 383-966-7707 Prepared for: **DVnCorp**
ŀ	RCRA/CERCLA Sample Locati PCB Sample Location	Open/Inaccessible Area Area in Another Survey Unit		1 inch = 18 feet 1 grid sq. = 1 sq. m.	THE ART OF TECHNOLOGY KAISES IN. MAP ID: 02-0222/449A-OHBE January 15, 2003

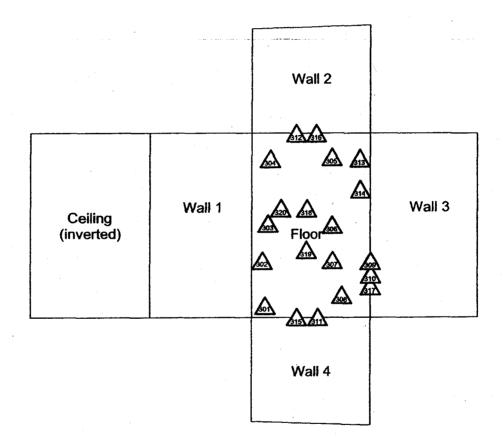
7

POST DECONTAMINATION #1

Building: 453 Interior

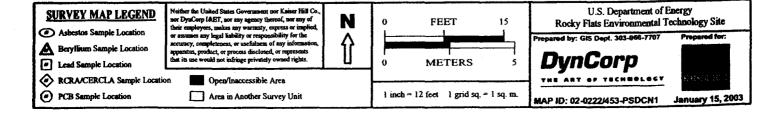
PAGE 1 OF 1

B453 Interior



Sample Numbers

453-11132002-213-299 thru 320 (Blanks: 299 & 300)

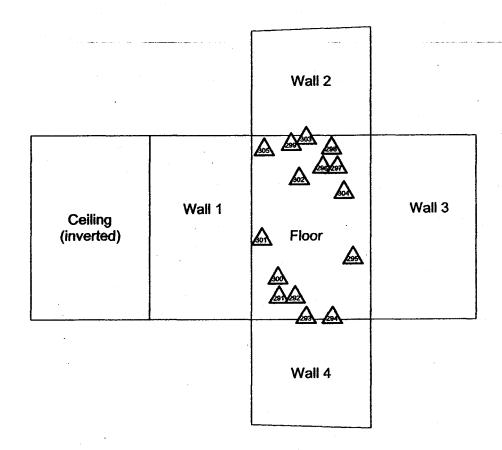


POST DECONTAMINATION #2

Building: 453 Interior

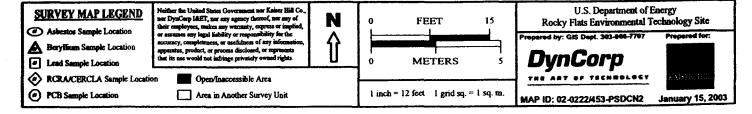
PAGE 1 OF 1

B453 Interior



Sample Numbers

453-11212002-213-291 thru 307 (Blanks: 306 & 307)



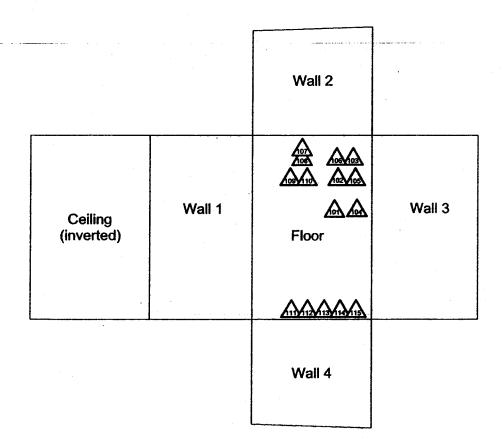
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POST DECONTAMINATION #3

Building: 453 Interior

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B453 Interior



Sample Numbers

453-12172002-603-101 thru 115

